

# NORTH DAKOTA

## Science and Engineering Profile

	N. Dakota	U.S.	Rank		N. Dakota	U.S.	Rank
Doctoral scientists, 1993	1,107	430,332	48	Total R&D performance, 1993 (millions)	\$91	\$161,427	48
Doctoral engineers, 1993	147	81,293	47	Industry R&D, 1993 (millions)	\$9	\$117,622	51
S&E doctorates awarded, 1995	53	26,482	45	Academic R&D, 1994 (millions)	\$56	\$20,573	44
of which, in life sciences	42%	24%		of which, in life sciences	52%	55%	
in psychology	26%	13%		in engineering	24%	16%	
in physical sciences	15%	14%		in physical sciences	9%	10%	
S&E postdoctorates, 1994				Higher education current-fund			
in doctorate-granting institutions	45	36,143	45	expenditures, 1993 (millions)	\$453	\$163,994	45
S&E graduate students, 1994				Number of SBIR awards, 1990-94	12	18,023	46
in doctorate-granting institutions	999	438,694	47	Patents issued to state residents, 1995	58	55,717	47
Population, 1995 (000s)	641	262,755	47	Gross state product, 1992 (billions)	\$13.1	\$5,994.1	49
Civilian labor force, 1995 (000s)	334	132,281	47	of which, agriculture	12%	2%	
Personal income per capita, 1995	\$18,663	\$22,788	43	manufacturing, mining, construction	15%	23%	
Federal spending				transportation, communication, utilities	9%	9%	
Total expenditures, 1995 (millions)	\$3,777	\$1,326,294	48	wholesale and retail trade	18%	16%	
R&D obligations, 1994 (millions)	\$50	\$65,654	47	finance, insurance, real estate	15%	18%	
				services	15%	20%	
				government	15%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Data on S&E postdoctorates and S&E graduate students include health fields.

### Federal Obligations for Research and Development in North Dakota by Agency and Performer: Fiscal Year 1994

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
<b>Total, all agencies</b>	49,580	25,504	0	597	21,109	1,270	1,100	48
<b>Department of Agriculture</b>	25,753	19,863	0	0	5,890	0	0	19
<b>Department of Commerce</b>	387	0	0	0	0	0	387	41
<b>Department of Defense</b>	1,725	20	0	452	1,253	0	0	49
<b>Department of Energy</b>	6,145	0	0	0	6,145	0	0	38
<b>Dept. of Health &amp; Human Services</b>	4,485	0	0	0	3,033	1,270	182	48
<b>Department of the Interior</b>	5,973	5,621	0	13	339	0	0	28
<b>Department of Transportation</b>	531	0	0	0	0	0	531	50
<b>Environmental Protection Agency</b>	2,497	0	0	55	2,442	0	0	21
<b>Nat'l Aeronautics &amp; Space Admin.</b>	318	0	0	77	241	0	0	51
<b>National Science Foundation</b>	1,766	0	0	0	1,766	0	0	51
<b>State rank</b>	48	44	na	51	47	46	46	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.